

2007-11-01 Pbar Department Meeting

Thursday, November 01, 2007
10:00 AM

- See the DVM powerpoint slides.
 - Question on diagnostics?
 - IPM shows D/A beam 3x larger than before the shutdown.
 - SEM806 shows only about 20% larger
 - There have been no known changes on either system.
 - The discrepancy is a mystery
 - Dampers
 - Reach unity gain at 10dB, so don't ever want smaller than 10dB.
 - Pickup moves
 - All electrical centers moved
 - On band 3, the electrical and mechanical centers are not the same.
 - Still need to center out of plane.
 - D/A Studies
 - Bands 3 and 4 are not doing much cooling.
 - Beam distribution is square in the D/A line.
 - Emittance monitor
 - Recalibrated
 - Found a problem with the vertical oscillator - was not connected to the 10MHz source.
 - Repairs and tuning
 - Broken board on AP2 BPMs fixed.
 - Lots of tuning.
 - Upcoming
 - Commission SQ107 magnet
 - ST momentum static distribution measurements - when back to stable stacking (20mA/hr).
 - Other
 - D:LVN in and out of alarm - remove the alarm property. Used to be sample and hold, now the sample floats. There is a hardware interlock on voltage to protect us.
 - Tony
 - 10mm-3 - will do a cold start with 85% gradient (run 75% now) and run all day, then it will be considered a hot spare. At 757 now, (old style lens 30 was running at 570 before the shutdown)
 - T972 - rad shielding study. Japanese experiment.
 - Will be pulling samples out of target vault parasitically.
 - Will be measuring in a lab at PPD.